

WHAT IS CLAIMED IS:

1. A removable fastening mechanism for connecting to a socket of a cigar lighter of a motor vehicle, comprising:

5 a hollow shank including external threads on an outer surface at one end and conical means proximate the other end;

a rotatable ring including internal threads in a bore, the internal threads being threadedly coupled onto the external threads so that the rotatable ring is operative to move back and forth along the length of the external threads;

a flexible sleeve; and

10 two curved plates inserted into the flexible sleeve for urging on the shank from two opposite directions, the curved plates being disposed between the rotatable ring and the conical means,

wherein turning and moving the rotatable ring toward the curved plates will gradually push the curved plates to an inclined surface of the conical means for gradually increasing a diameter of the flexible sleeve put on the curved plates.

2. The removable fastening mechanism of claim 1, further comprising a moveable conical member on the shank between the rotatable ring and the conical means, and wherein an inclined surface of the moveable conical member is opposite that of the conical means and the curved plates and the flexible sleeve put on the curved plates are disposed between the moveable conical member and the conical means.

20 3. The removable fastening mechanism of claim 2, further comprising a hollow arm, the hollow arm having one end coupled to one end of the shank and a seat at the other end of the arm for mounting an electronic device thereon;

a first hole at a bore of the shank;

- an opening on a surface of one curved plate, the opening being in communication with the first hole, a conductive piece having one end gripped between the flexible sleeve and one curved plate, a power cord having an end plug located outside the shank, a first terminal at the other end inserted through the first hole into the opening to couple to the conductive piece, and a second terminal at the other end, and a hollow, cylindrical conductive terminal at the other end of the shank, and wherein the second terminal is extended through the first hole to couple to the hollow, cylindrical conductive terminal.
4. The removable fastening mechanism of claim 3, further comprising a sleeve member having internal threads, the sleeve member being threadedly coupled to the shank, and wherein the sleeve member includes a second hole in a bore in communication with the first hole so that the conductive terminal is adapted to fasten in the sleeve member and one end of the conductive terminal is projected from the second hole.
5. The removable fastening mechanism of claim 4, further comprising a third hole in a bore of the arm, and wherein the third hole is in communicate with the first hole, the power cord is extended in the third hole, and the plug at one end of the power cord is located outside the other end of the arm in response to coupling one end of the arm to one end of the shank.
6. The removable fastening mechanism of claim 5, further comprising a resilient member between the second terminal of the power cord and the conductive terminal, the resilient member being operative to push the conductive terminal through the third hole or into the sleeve member.
7. The removable fastening mechanism of claim 6, further comprising a fuse between the resilient member and the conductive terminal.
8. The removable fastening mechanism of claim 7, further comprising two

opposite first ribs on the inclined surface of the conical means and two opposite second ribs on the inclined surface of the moveable conical member, wherein the first ribs correspond the second ribs, and the first and the second ribs are disposed to separate one curved plate from the other curved plate for disabling a turning of the curved plates around the shank.

9. The removable fastening mechanism of claim 2, wherein two ends at a bore of the moveable conical member are flat and two ends of the external threads are flat so that the moveable conical member is operative to move back and forth along the shank in response to threadedly coupling the moveable conical member to the external threads, and a turning of the moveable conical member around the shank is disabled.

10. The removable fastening mechanism of claim 2, further comprising a first arcuate flange at either end of one curved plate and a second arcuate flange at either end of the other curved plate, wherein the flexible sleeve is adapted to dispose between the first and the second flanges at one end and the first and the second flanges at the other end.